

to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle E of title VIII, add the following:

SEC. 857. AIR FORCE STRATEGY FOR ACQUISITION OF COMBAT RESCUE AIRCRAFT AND EQUIPMENT.

The Secretary of the Air Force shall submit to the congressional defense committees a strategy for the Department of the Air Force for the acquisition of combat rescue aircraft and equipment that aligns with the stated capability and capacity requirements of the Air Force to meet the national defense strategy (required under section 113(g) of title 10, United States Code) and Arctic Strategy of the Department of the Air Force.

SA 4041. Mr. CRUZ submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle A of title XV, add the following:

SEC. 1516. CONTINUATION OF THE INTERNATIONAL SPACE STATION.

(a) PRESENCE IN LOW-EARTH ORBIT.—

(1) SENSE OF CONGRESS.—It is the sense of Congress that—

(A) it is in the national and economic security interests of the United States to maintain a continuous human presence in low-Earth orbit;

(B) the International Space Station is a strategic national security asset vital to the continued space exploration and scientific advancements of the United States; and

(C) low-Earth orbit should be utilized as a testbed to advance human space exploration, scientific discoveries, and United States economic competitiveness and commercial participation.

(2) HUMAN PRESENCE REQUIREMENT.—The United States shall continuously maintain the capability for a continuous human presence in low-Earth orbit through and beyond the useful life of the International Space Station.

(b) MAINTAINING A NATIONAL LABORATORY IN SPACE.—

(1) SENSE OF CONGRESS.—It is the sense of Congress that—

(A) the United States national laboratory in space, which currently consists of the United States segment of the International Space Station (designated as a national laboratory under section 70905 of title 51, United States Code)—

(i) benefits the scientific community and promotes commerce in space;

(ii) fosters stronger relationships among the National Aeronautics and Space Administration (referred to in this section as “NASA”) and other Federal agencies, the private sector, and research groups and universities;

(iii) advances science, technology, engineering, and mathematics education through utilization of the unique microgravity environment; and

(iv) advances human knowledge and international cooperation;

(B) after the International Space Station is decommissioned, the United States should maintain a national microgravity laboratory in space;

(C) in maintaining a national microgravity laboratory described in subparagraph (B), the United States should make appropriate accommodations for different types of ownership and operational structures for the International Space Station and future space stations;

(D) the national microgravity laboratory described in subparagraph (B) should be maintained beyond the date on which the International Space Station is decommissioned and, if possible, in cooperation with international space partners to the extent practicable; and

(E) NASA should continue to support fundamental science research on future platforms in low-Earth orbit and cis-lunar space, short duration suborbital flights, drop towers, and other microgravity testing environments.

(2) REPORT.—The Administrator of NASA shall produce, in coordination with the National Space Council and other Federal agencies as the Administrator considers relevant, a report detailing the feasibility of establishing a microgravity national laboratory federally funded research and development center to undertake the work related to the study and utilization of in-space conditions.

(c) CONTINUATION OF AUTHORITY.—

(1) IN GENERAL.—Section 501(a) of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18351(a)) is amended by striking “2024” and inserting “2030”.

(2) MAINTENANCE OF THE UNITED STATES SEGMENT AND ASSURANCE OF CONTINUED OPERATIONS OF THE INTERNATIONAL SPACE STATION.—Section 503(a) of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18353(a)) is amended by striking “2024” and inserting “2030”.

(3) RESEARCH CAPACITY ALLOCATION AND INTEGRATION OF RESEARCH PAYLOADS.—Section 504(d) of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18354(d)) is amended by striking “2024” each place it appears and inserting “2030”.

(4) MAINTAINING USE THROUGH AT LEAST 2030.—Section 70907 of title 51, United States Code, is amended—

(A) in the section heading, by striking “2024” and inserting “2030”; and

(B) by striking “2024” each place it appears and inserting “2030”.

(d) TRANSITION PLAN REPORTS.—Section 5011(c)(2) of title 51, United States Code, is amended—

(1) in the matter preceding subparagraph (A), by striking “2023” and inserting “2028”; and

(2) in subparagraph (J), by striking “2028” and inserting “2030”.

(e) DEPARTMENT OF DEFENSE ACTIVITIES ON INTERNATIONAL SPACE STATION.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall—

(A) identify and review each activity, program, and project of the Department of Defense completed, being carried out, or planned to be carried out on the International Space Station as of the date of the review; and

(B) provide to the appropriate committees of Congress a briefing that describes the results of the review.

(2) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this subsection, the term “appropriate committees of Congress” means—

(A) the Committee on Armed Services, the Committee on Commerce, Science, and Transportation, and the Committee on Appropriations of the Senate; and

(B) the Committee on Armed Services, the Committee on Science, Space, and Technology, and the Committee on Appropriations of the House of Representatives.

SA 4042. Ms. ROSEN (for herself, Mr. SASSE, and Mr. KING) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. ____ NATIONAL CYBER EXERCISE PROGRAM.

(a) IN GENERAL.—Subtitle A of title XXII of the Homeland Security Act of 2002 (6 U.S.C. 651 et seq.) is amended by adding at the end the following new section:

“SEC. 2220A. NATIONAL CYBER EXERCISE PROGRAM.

“(a) ESTABLISHMENT OF PROGRAM.—

“(1) IN GENERAL.—There is established in the Agency the National Cyber Exercise Program (referred to in this section as the ‘Exercise Program’) to evaluate the National Cyber Incident Response Plan, and other related plans and strategies.

“(2) REQUIREMENTS.—

“(A) IN GENERAL.—The Exercise Program shall be—

“(i) based on current risk assessments, including credible threats, vulnerabilities, and consequences;

“(ii) designed, to the extent practicable, to simulate the partial or complete incapacitation of a government or critical infrastructure network resulting from a cyber incident;

“(iii) designed to provide for the systematic evaluation of cyber readiness and enhance operational understanding of the cyber incident response system and relevant information sharing agreements; and

“(iv) designed to promptly develop after-action reports and plans that can quickly incorporate lessons learned into future operations.

“(B) MODEL EXERCISE SELECTION.—The Exercise Program shall—

“(i) include a selection of model exercises that government and private entities can readily adapt for use; and

“(ii) aid such governments and private entities with the design, implementation, and evaluation of exercises that—

“(I) conform to the requirements described in subparagraph (A);

“(II) are consistent with any applicable national, State, local, or Tribal strategy or plan; and

“(III) provide for systematic evaluation of readiness.

“(3) CONSULTATION.—In carrying out the Exercise Program, the Director may consult with appropriate representatives from Sector Risk Management Agencies, the Office of the National Cyber Director, cybersecurity

research stakeholders, and Sector Coordinating Councils.

“(b) DEFINITIONS.—In this section:

“(1) STATE.—The term ‘State’ means any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, the Northern Mariana Islands, the United States Virgin Islands, Guam, American Samoa, and any other territory or possession of the United States.

“(2) PRIVATE ENTITY.—The term ‘private entity’ has the meaning given such term in section 102 of the Cybersecurity Information Sharing Act of 2015 (6 U.S.C. 1501).

“(c) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to affect the authority or responsibilities of the Administrator of the Federal Emergency Management Agency pursuant to section 648 of the Post-Katrina Emergency Management Reform Act of 2006 (6 U.S.C. 748).”.

(b) CLERICAL AMENDMENT.—The table of contents in section 1(b) of the Homeland Security Act of 2002 is amended by inserting after the item relating to section 2217 the following:

“Sec. 2220A. National Cyber Exercise Program.”.

SA 4043. Mr. CRUZ submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle C of title VIII, add the following:

SEC. 838. MODIFICATION OF PROHIBITION ON ACQUISITION OF CERTAIN SENSITIVE MATERIALS.

(a) EXTENSION OF PROHIBITION TO MINED, REFINED, AND SEPARATED MATERIALS.—Subsection (a)(1) of section 2533c of title 10, United States Code, is amended by striking “melted or produced” and inserting “mined, refined, separated, melted, or produced”.

(b) COMMERCIALLY AVAILABLE OFF-THE-SHELF ITEM EXCEPTION.—Subsection (c)(3)(A)(i) of such section is amended by striking “50 percent or more tungsten” and inserting “50 percent or more covered material”.

SA 4044. Mr. CRUZ submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place in title XII, insert the following:

SEC. 12. UNITED STATES-ISRAEL DIRECTED ENERGY CAPABILITIES COOPERATION.

(a) AUTHORITY.—

(1) IN GENERAL.—Subject to paragraphs (2) and (3), the Secretary of Defense, upon request by the Minister of Defense of Israel and with the concurrence of the Secretary of State, is authorized to carry out research,

development, test, and evaluation activities on a joint basis with Israel to establish directed energy capabilities that address threats to the United States, deployed forces of the United States, or Israel.

(2) PROTECTION OF SENSITIVE INFORMATION AND NATIONAL SECURITY INTERESTS.—Any activity carried out under paragraph (1) shall be conducted in a manner that appropriately protects sensitive information, the national security interests of the United States, and the national security interests of Israel.

(3) REPORT.—The activities described in paragraph (1) may be carried out [only] after the date on which the Secretary of Defense submits to the appropriate committees of Congress a report setting forth the following:

(A) A memorandum of agreement between the United States and Israel regarding the sharing of research and development costs for the capabilities described in paragraph (1), and any supporting documents.

(B) A certification that such memorandum of agreement—

(i) requires the sharing of costs of projects, including in-kind support, between the United States and Israel;

(ii) establishes a framework to negotiate the rights to any intellectual property developed under the memorandum of agreement; and

(iii) requires the United States Government to receive semiannual reports on the expenditure of funds, if any, by the Government of Israel, including a description of the use of such funds, the dates on which such funds were expended, and an identification of entities that expended such funds.

(b) SUPPORT FOR ACTIVITIES.—

(1) IN GENERAL.—Subject to paragraphs (2) and (3), the Secretary of Defense is authorized to provide maintenance and sustainment support to Israel for the activities authorized under subsection (a)(1), including support for the installation of equipment necessary to carry out such activities.

(2) REPORT.—The support described in paragraph (1) may not be provided until 15 days after the date on which the Secretary of Defense submits to the appropriate committees of Congress a report setting forth a detailed description of the support to be provided.

(3) MATCHING CONTRIBUTION.—The support described in paragraph (1) may not be provided unless the Secretary of Defense certifies to the appropriate committees of Congress that the Government of Israel will contribute to such support—

(A) an amount equal to not less than the amount of support to be so provided; or

(B) an amount that otherwise meets the best efforts of Israel, as mutually agreed to by the United States and Israel.

(c) LEAD AGENCY.—The Secretary of Defense shall designate an appropriate research and development entity of a military department as the lead agency of the Department of Defense in carrying out this section.

(d) ANNUAL REPORT.—Not less frequently than annually, the Secretary of Defense shall submit to the appropriate committees of Congress a report that contains a copy of the [two] most recent semiannual reports provided by the Government of Israel to the Department of Defense pursuant to subsection (a)(3)(B)(iii).

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, the Committee on Homeland Security and Governmental Affairs, the Committee on Appropriations, and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, the Com-

mittee on Homeland Security, the Committee on Appropriations, and the Permanent Select Committee on Intelligence of the House of Representatives.

SA 4045. Mr. CRUZ submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle A of title XV, add the following:

SEC. 1516. ADDITIONAL FUNDING FOR EDGEONE.

(a) ADDITIONAL FUNDING.—The amount authorized to be appropriated for fiscal year 2022 by section 201 for research, development, test, and evaluation is hereby increased by \$7,000,000, with the amount of the increase to be available for Enterprise Ground Services (PE 1206770SF).

(b) AVAILABILITY.—The amount available under subsection (a) shall be available for ongoing implementation of EdgeONE within the Enterprise Ground Services.

SA 4046. Mr. CRUZ submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. . REPORT ON EFFORTS TO EXPAND DISTRIBUTION OF ENTERPRISE SOFTWARE INITIATIVE BLANKET PURCHASE AGREEMENTS.

Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the efforts of the Secretary to expand the distribution of enterprise software initiative (ESI) blanket purchase agreements (BPAs).

SA 4047. Mr. CRUZ submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place in title V, insert the following:

SEC. 576. PROHIBITION ON LIMITING OF CERTAIN PARENTAL GUARDIANSHIP RIGHTS OF CADETS AND MIDSHIPMEN.

(a) PROHIBITION.—

(1) IN GENERAL.—The Secretary of Defense, the Secretary of Homeland Security, and the Secretary of Transportation, in consultation